

PRODUCED WATER DISCHARGE SAMPLING AND MONITORING PROCEDURE

Updated 2/11/2015

Anytime there is a discharge of produced water from Elly, make sure the start and end times of discharge and total volume discharged is documented and provided to Marina Robertson.

Preferably during the actual discharge, collect four 1-liter samples of produced water from the outlet of the last treatment vessel (the official NPDES sample point) following the procedure outlined herein.

Sample containers consist of amber liter jars. They are stored in the water lab at Platform Elly. The jars contain a sulfuric acid preservative. CAUTION: wear proper PPE (goggles and rubber gloves) – the sulfuric acid can and will chemically burn the handler if not protected, so be careful.

1. Purge the sample point for 1 full minute and then reduce the stream to avoid splashing the preservative out of the sample jar. Slowly fill each bottle to the top and do not overfill.
2. Cap the bottle and label it with **date, time of sampling, sample name** (typically **“Produced Water”**) and **company name**. Use a waterproof pen or Sharpie. Place the four jars in a sample cooler. Gradually add ice to cool the samples and ultimately chill them. If needed, use packing in the cooler to prevent bottles from breaking during transit.
3. Complete the chain of custody form (<Q:\NPDES\Chain-of-custody forms for sampling\Chain of Custody - Produced water discharge oil & grease.xlsx>). Oil & Grease is the only parameter needing to be analyzed – using EPA Method 1664. The Chain of Custody form must be signed and dated by the operator sampling the water. Place your name in the “Sampled by” area and sign with date and time on the line that says “Relinquished by”, highlighted yellow. The receiver (the courier or Marina) will in turn sign the “Received by” and then further relinquish it to the Lab receiver. Remember, the Chain of Custody is a legal document and must be completed accurately by all persons handling the cooler – a) you, b) the pickup person and c) the lab. Place the Chain-of-custody in a sealed plastic bag inside the cooler, or envelope outside the cooler, otherwise it gets soaked and disintegrates.
4. **The next step is important: Either call or email Marina Robertson (24/7 at 714-309-9481) or, if unavailable, leave her a message as a notification then contact Amanda Porter at Eurofins (formerly Cal Science) at (714) 895-5494 to arrange for sample pick up at Ship Services at a pickup time when you know for sure the sample will be there. If this occurs on a weekend or holiday, arrange for sample pickup on morning of next business day. Do not send the sample in until it is determined who will pick up the sample. Once this is confirmed, attach a tag to the cooler specifying who will pick it up: i.e. **“HOLD FOR PICK-UP by EUROFINS LAB COURIER”** If the lab is not specified, it will probably be brought to the office.**
5. If you have questions about this procedure, please contact Marina Robertson or Steve Lawry of LTS Environmental at (805) 644-4560.